MODIS TECHNICAL TEAM MEETING

December 14, 1995

The MODIS Technical Team Meeting was chaired by Robert Murphy. Present were Barbara Conboy, David Herring, Dick Weber, Bruce Guenther, Rosemary Vail, Ed Masuoka, Barbara Putney, and Paul Chan.

1.0 SCHEDULE OF EVENTS

Jan. 15, 1996	Semi-Annual Reports due
May 1 - 3, 1996	MODIS Science Team Meeting (tentative)
May 16 - 17, 1996	MODLAND-SDST Workshop at GSFC

2.0 MINUTES OF THE MEETING

2.1 Proposal Status Report

Murphy reported that there were 35 MODIS proposals submitted in response to the new EOS NASA Research Announcement (NRA). He noted that all of these were very responsive to the NRA--all were relevant and competent. Review of the proposal should, therefore, be fairly straightforward.

Murphy asked for inputs from each of the MODIS Support Groups in reviewing the proposals. He called for a separate meeting to discuss how the Team may accomplish its technical level review of the proposals. Murphy specifically wants to protect the objectivity of the review process.

2.2 MODIS Project Reports

Weber told the Team that a MODIS Quarterly Management Review was held Tuesday and Wednesday at Santa Barbara Remote Sensing (SBRC is changing its name to SBRS). Bill Barnes and Gerry Godden attended the review.

Weber stated that there are no exceptional issues facing the instrument, except for the parts problem discussed in the two previous Technical Team Meetings. He noted that as a result of these problems, the MODIS PFM development schedule is now behind in meeting its delivery date--October 1996 is the contracted delivery deadline; however, December 1996 is now the projected delivery date. SBRS is hoping that some of the hybrids it received are still usable. They are exploring the possibilities of either building new hybrids, or repairing the existing ones.

Weber pointed out that the slip in schedule places MODIS on the EOS Program OfficeÕs Top 10 Worry list.

Weber announced that MCST is about to begin conducting laboratory tests on the MODIS SRCA lamps here at GSFC.

2.3 MCST Reports

Guenther told the Team that MCST is down to two more reviews and release of one major document by the end of 1995. He stated that the review in Tucson went well; however, he was disappointed that only one MODIS Science Team member was represented. By the time MCST finishes its reviews, it will have met with only about half of the Science Team members. He pointed out that the interactions have been very good and that he doesnÕt think MCST could interface any better with the Science Team.

Guenther announced that the MODIS Calibration Plan is nearing completion; however, its delivery date has slipped. MCST will distribute a rough draft on Tuesday, and plans to finish the final draft by the end of January 1996.

The Calibration ATBD will also be completed Tuesday. It will be delivered to Doug Bennett, in the EOS Project Science Office, for placement on the World Wide Web.

Guenther reported that MCST has made some updates and improvements to its own World Wide Web page. He feels it is now presentable.

2.4 SDST Reports

Putney announced that all beta software has been delivered and will be in testing mode by January 1996.

Guenther told the Team that Bob Evans wants the Level 1A and Level 1B data to be totally deleted while MODIS is in night mode because deleting it will save significantly on transmission costs. MCST has agreed to delete its night mode Level 1B data. Guenther asked if SDST will delete the Level 1A data. Putney responded that as long as the metadata is clear and the history is maintained, SDST has no problem with deleting the night mode 1A data.

Masuoka reported that all MODIS Level 1 and Level 2 beta deliveries have been made to the Goddard DAAC. There are two Level 3 beta products which are late, which were pardoned by Dixon Butler. Masuoka pointed out that there is no consistency across the EOS Platform as to what is a beta delivery--it is an informal deadline.

2.4.1 Processing Load Update

Masuoka reminded the team that last year our best guess was that it would take 3.8 Gflops to process all MODIS data products. After recent timing tests conducted by SDST, Masuoka now estimates that at least 8 Gflops will be required for MODIS products, with a daily storage volume requirement of 800 million Mbytes.

2.5 GSFC DAAC Reports

Chan stated that the DAAC is planning to help SDST specify the metadata *{can we be more specific here?}*. Chan agreed to delegate personnel to helping resolve this issue.

Additionally, the GSFC DAAC is developing an operation scenario for version 1 processing for MODIS, and plans to work with SDST on that too. SDST will take the lead on defining how the processes will run. The idea is to blend the software operations concept with the real operating environment.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. *Fleig* : distill the questions and concerns about metadata into a list and prepare a strawman for resolving the concerns.